

## SUMMARY

### **Procedure for the control of a respirator device as well as apparatus for monitoring**

The procedure and the apparatus serve for the control of a respirator device which is used for the supply of breathable gas to a patient. At least one sensor for the capture of the time-wise evolution of at least one respirator-treatment parameter is provided.

The sensor can be arranged in the area of an air delivery which encompasses a respirator device as well as a connecting installation. The sensor is connected to an analyzer which carries out a pattern recognition and which is connected to a control for the modification of at least one respirator-treatment parameter. In order to implement the pattern recognition, one captures -- at least at intervals -- the time-wise evolution of at least one of the respirator-treatment parameters.